09643355

Trying 3106016892...Open

Welcome to STN International! Enter x:x
LOGINID:ssspta1623hrr
PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Sep 17	IMSworld Pharmaceutical Company Directory name change to PHARMASEARCH
NEWS 3	Oct 09	Korean abstracts now included in Derwent World Patents Index
NEWS 4	Oct 09	Number of Derwent World Patents Index updates increased
NEWS 5	Oct 15	Calculated properties now in the REGISTRY/ZREGISTRY File
NEWS 6	Oct 22	Over 1 million reactions added to CASREACT
NEWS 7	Oct 22	DGENE GETSIM has been improved
NEWS 8	Oct 29	AAASD no longer available
NEWS 9	Nov 19	New Search Capabilities USPATFULL and USPAT2
NEWS 10	Nov 19	TOXCENTER(SM) - new toxicology file now available on STN
NEWS 11	Nov 29	COPPERLIT now available on STN
NEWS 12	Nov 29	DWPI revisions to NTIS and US Provisional Numbers
NEWS 13	Nov 30	Files VETU and VETB to have open access
NEWS 14	Dec 10	WPINDEX/WPIDS/WPIX New and Revised Manual Codes for 2002
NEWS 15	Dec 10	DGENE BLAST Homology Search
NEWS 16	Dec 17	WELDASEARCH now available on STN
NEWS 17	Dec 17	STANDARDS now available on STN
NEWS 18	Dec 17	New fields for DPCI
NEWS 19	Dec 19	CAS Roles modified
NEWS 20	Dec 19	1907-1946 data and page images added to CA and CAplus
NEWS 21	Jan 25	BLAST(R) searching in REGISTRY available in STN on the Web
NEWS 22	Jan 25	Searching with the P indicator for Preparations
NEWS 23	Jan 29	FSTA has been reloaded and moves to weekly updates
NEWS 24	Feb 01	DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS 25	Feb 19	Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 26	Mar 08	Gene Names now available in BIOSIS

NEWS EXPRESS	February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 12:01:21 ON 11 MAR 2002

=> file registry
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'REGISTRY' ENTERED AT 12:01:45 ON 11 MAR 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

STRUCTURE FILE UPDATES: 8 MAR 2002 HIGHEST RN 400002-69-9....Testing the current file....$ screen

DICTIONARY FILE UPDATES: 8 MAR 2002 HIGHEST RN 400002-69-9
end

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

The P indicator for Preparations was not generated for all of the CAS Registry Numbers that were added to the H/Z/CA/CAplus files between 12/27/01 and 1/23/02. Use of the P indicator in online and SDI searches during this period, either directly appended to a CAS Registry Number or by qualifying an L-number with /P, may have yielded incomplete results. As of 1/23/02, the situation has been resolved. Also, note that searches conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry Numbers with the P indicator between 12/27/01 and 1/23/02, are encouraged to re-run these strategies. Contact the CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698, worldwide, or send an e-mail to help@cas.org for further assistance or to receive a credit for any duplicate searches.

=> screen 1015

ENTER SCREEN EXPRESSION OR (END):
Uploading C:\STNEXP4\QUERIES\10022343.str

L2 STRUCTURE UPLOADED

=> que L2 AND

09643355

MISSING TERM AFTER L2 AND
Operators must be followed by a search term, L-number, or query name.

=> s l2 full
FULL SEARCH INITIATED 12:03:45 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1220 TO ITERATE

100.0% PROCESSED 1220 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.02

L3 0 SEA SSS FUL L

Claims 6 + 7

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Trying 3106016892...Open

Welcome to STN International! Enter x:x
LOGINID:
LOGINID:ssspta1623hrr
PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 12:07:29 ON 11 MAR 2002
FILE 'REGISTRY' ENTERED AT 12:07:29 ON 11 MAR 2002
COPYRIGHT (C) 2002 American Chemical Society (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	141.18	141.33

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	141.50	141.65

FILE 'REGISTRY' ENTERED AT 12:07:51 ON 11 MAR 2002
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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STRUCTURE FILE UPDATES: 8 MAR 2002 HIGHEST RN 400002-69-9
DICTIONARY FILE UPDATES: 8 MAR 2002 HIGHEST RN 400002-69-9

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

The P indicator for Preparations was not generated for all of the CAS Registry Numbers that were added to the H/Z/CA/CAplus files between 12/27/01 and 1/23/02. Use of the P indicator in online and SDI searches during this period, either directly appended to a CAS Registry Number or by qualifying an L-number with /P, may have yielded incomplete results. As of 1/23/02, the situation has been resolved. Also, note that searches conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry Numbers with the P indicator between 12/27/01 and 1/23/02, are encouraged to re-run these strategies. Contact the CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698, worldwide, or send an e-mail to help@cas.org for further assistance or to receive a credit for any duplicate searches.

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

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```
=> screen 1015

L4    SCREEN CREATED

=>
Uploading C:\STNEXP4\QUERIES\10022343.str

L5      STRUCTURE UPLOADED

=> que L5 AND L4

L6   QUE L5 AND L4

=> s l5 full
FULL SEARCH INITIATED 12:09:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    239 TO ITERATE

100.0% PROCESSED     239 ITERATIONS                                  6 ANSWERS
SEARCH TIME: 00.00.02

L7            6 SEA SSS FUL L5

=> d 1-6 bib abs l7
'BIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'ABS' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual
fields or predefined formats.  The predefined substance formats
are:  (RN = CAS Registry Number)

REG    - RN
SAM    - Index Name, MF, and structure - no RN
FIDE   - All substance data, except sequence data
IDE    - FIDE, but only 50 names
SQIDE  - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD    - Protein sequence data, includes RN
SQD3   - Same as SQD, but 3-letter amino acid codes are used
SQN    - Protein sequence name information, includes RN

CALC   - Table of numeric properties
PROP   - Same as CALC

ABS  -- Abstract
APPS -- Application and Priority Information
BIB  -- CA Accession Number, plus Bibliographic Data
CAN  -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND  -- Index Data
IPC  -- International Patent Classification
PATS -- PI, SO
STD  -- BIB, IPC, and NCL

IABS --ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
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ISTD -- STD format, indented

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.
The MAX format is the same as ALL.
The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ENTER DISPLAY FORMAT (IDE):d 1-6 l5
'D' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'1-6' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'L5' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

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IBIB -- BIB, indented, with text labels
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ENTER DISPLAY FORMAT (IDE):bib abs
'BIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'ABS' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

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Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ENTER DISPLAY FORMAT (IDE):ibib
'IBIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

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SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of numeric properties
PROP - Same as CALC

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS --ABS, indented, with text labels
IBIB -- BIB, indented, with text labels

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ISTD -- STD format, indented

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OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.
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The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

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HELP FORMATS -- To see detailed descriptions of the predefined formats.
Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ENTER DISPLAY FORMAT (IDE):abs
'ABS' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

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HELP FORMATS -- To see detailed descriptions of the predefined formats.
Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ENTER DISPLAY FORMAT (IDE):RN

6 Compounds!

L7 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2002 ACS
RN 104570-45-8 REGISTRY

L7 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2002 ACS
RN 86726-45-6 REGISTRY

L7 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2002 ACS
RN 24331-83-7 REGISTRY

L7 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2002 ACS
RN 20486-13-9 REGISTRY

L7 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2002 ACS
RN 5854-18-2 REGISTRY

L7 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2002 ACS
RN 4138-04-9 REGISTRY

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	142.52	284.17

FILE 'CAPLUS' ENTERED AT 12:10:52 ON 11 MAR 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 11 Mar 2002 VOL 136 ISS 11
FILE LAST UPDATED: 10 Mar 2002 (20020310/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

The P indicator for Preparations was not generated for all of the CAS Registry Numbers that were added to the CAS files between 12/27/01 and 1/23/02. As of 1/23/02, the situation has been resolved. Searches and/or SDIs in the H/Z/CA/CAplus files incorporating CAS Registry Numbers with the P indicator executed between 12/27/01 and 1/23/02 may be incomplete. See the NEWS message on this topic for more information.

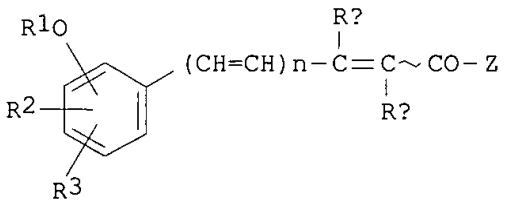
=> s l7
L8 18 L7

=> d 1-18 bib abs l8

L8 ANSWER 1 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 2000:653715 CAPLUS
DN 133:237692
TI Preparation of 3-phenylpropenoic acid or phenylpropenamide derivatives as Maillard reaction inhibitors
IN Okamoto, Kaoru; Hasegawa, Taisuke; Kuwahara, Kazuo; Nakazawa, Yoshitaka; Nakamura, Osamu
PA Nippon Zoki Pharmaceutical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 28 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000256259	A2	20000919	JP 1999-64201	19990311

OS MARPAT 133:237692
GI



I

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AB The title compds. (I; R1 = H, lower alkyl or alkanoyl; R2, R3 = H, NO2, halo, lower alkyl, HO, lower alkoxy, lower alkoxy-lower alkoxy, lower alkanoyloxy; R.alpha., R.beta. = H, cyano, CO2H, lower alkoxycarbonyl, optionally HO-substituted phenyl; n = 0,1,2; Z = HO, NH2, hydroxyamino, hydrazino, lower alkylidenehydrazino, guanidino, morpholino, optionally aralkyl-substituted piperazino, lower alkylamino optionally substituted with lower alkoxy, HO, amino, or imidazoyl), pharmacol. acceptable salts, complexes, or hydrates thereof are prepd. These compds. are useful for the prevention or treatment of Maillard reaction-assocd. diseases such as diabetic nephropathy, arteriosclerosis, nerve disorders, retinopathy, diabetes complications (e.g. cataract), diseases accompanied by aging, inflammation, peripheral vascular occlusion, dialysis-related complications, and amyloidosis or prevention of aging. Thus, 4-(3,4-diacetoxybenzylidene)-2-methyloxazol-5-one was added to 0.2 N aq. HCl and refluxed for 1 h to give 2-acetylamino-3-(3,4-dihydroxyphenyl)propenoic acid, which in vitro inhibited the dimer formation from lysozyme and glucose by 86.5%.

L8 ANSWER 2 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1999:277526 CAPLUS
DN 130:359294
TI Stable storage of positive-working photoresist
IN Ichikawa, Koji; Shintome, Satoshi; Nagase, Kyoko
PA Sumitomo Chemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

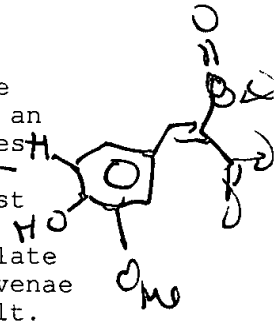
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 11119425	A2	19990430	JP 1997-278569	19971013

OS MARPAT 130:359294
AB A photosensitive agent stabilizer having a benzylidene skeleton is added to a pos.-working photoresist prepd. by dissolving a novolak resin and a quinonediazide-type photosensitive agent in a solvent. The photoresist soln. shows good storage stability.

L8 ANSWER 3 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1997:612317 CAPLUS
DN 127:314397
TI Short Communication: A cell and mechanism-based approach for the selection of EGF receptor inhibitors
AU Lanzi, Cinzia; Pensa, Tiziana; Cassinis, Marco; Corti, Cecilia; Gambetta, Romolo Achille; Pratesi, Graziella; Menta, Ernesto; Ardini, Elena; Zunino, Franco
CS Divisions Experimental Oncology B and 1E, Istituto Nazionale Studio Cura Tumori, Milan, I-20133, Italy
SO Anti-Cancer Drug Des. (1997), 12(6), 515-524
CODEN: ACDDEA; ISSN: 0266-9536
PB Oxford University Press
DT Journal
LA English
AB A series of 45 compds. was examd. for their ability to inhibit EGF receptor tyrosine kinase activity using a two-step screening system:

first, compds. were assayed in colorimetric antiproliferative tests against three human carcinoma cell lines expressing different levels of members of the EGF receptor family and then inhibitors of EGF receptor autophosphorylation were identified by a kinase assay using A431 cell membranes. Some potent antiproliferative agents were identified, particularly in the coumarins and BMN derivs. However, from the biochem. assay, it is evident that mechanisms of growth inhibition other than EGF receptor blocking should be operative. A tentative structure-activity relationship for the antiproliferative effects of coumarins suggests that either the F substitution on the arom. ring or a redn. of the carbonyl group in position 2 (BBR1611, 1613, 1713, and 3223) confers antiproliferative activity. In the BMN derivs., it is worth noting the high selectivity of compds. BBR3330 and BBR3338 against the A431 cells, which seems to indicate the presence of a specific target for this cell line. Seven compds., selected by the antiproliferative assays, showed inhibitory activity of EGF receptor autophosphorylation in the kinase assay. They included, as expected, the six tyrphostin-like active compds.
(tyrphostin 25, RG13022, RG14620, tyrphostin 47, tyrphostin 48 and BBR3335) and the cinnamilamide BBR3225, a tyrosine kinase inhibitor.

L8 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1996:545885 CAPLUS
DN 125:295157
TI Specific activity of synthesized analogs of germination self-inhibitors from urediniospores of the oat rust fungus
AU Tsurushima, Tetsu; Ueno, Tamio; Fukami, Hiroshi; Matsumoto, Kohei; Takahashi, Tetsuya; Hayashi, Yoshiyuki; Irie, Hiroshi
CS Fac. Bus., Hannan Univ., Matsubara, 580, Japan
SO Nippon Shokubutsu Byori Gakkaiho (1996), 62(3), 222-226
CODEN: NSBGAM; ISSN: 0031-9473
DT Journal
LA English
AB To investigate the structure-activity relationships of cinnamate-type self-inhibitors, we synthesized some di-Me benzalmalonates which had an addnl. methoxycarbonyl group at the .alpha.-position of the cinnamates. Two compds., di-Me 3,4-dimethoxybenzalmalonate (DDB) and di-Me 4-hydroxy-3-methoxybenzalmalonate (DHMB) showed great activity against germination of rust urediniospores approx. equal to the genuine self-inhibitors, Me cis-3,4-dimethoxycinnamate (MDC) and Me cis-ferulate (MF). DDB showed higher activity against Puccinia coronata f. sp. avenae than Puccinia graminis f. sp. tritici. DHMB showed the reverse result. This means that DDB and DHMB have the same specificity as the genuine self-inhibitors. Among di-Me benzalmalonates synthesized, compds. having a methoxy group at the meta position on the benzene ring inhibited germination of rust urediniospores. However the activity of di-Me 3-methoxybenzalmalonate (D3MB) having only one methoxy group was about 100,000 times less than that of DDB. Germination of urediniospores inhibited by treatment of DDB was reversed by washing with water, while germination inhibition by treatment of D3MB was not reversed by washing with water. DDB did not inhibit spore germination of other fungi equal to the genuine self-inhibitors, MDC and MF. In contrast D3MB inhibited spore germination of many fungi. This result shows that methoxy groups at both meta and para positions on the benzene ring are important for the specific activity of the self-inhibitor of P. coronata f. sp. avenae.



09643355

L8 ANSWER 5 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1992:507838 CAPLUS
DN 117:107838
TI Chemistry of self-inhibitors of fungal spore germination
AU Ueno, Tamio; Tsurushima, Tetsu; Fukami, Hiroshi; Irie, Hiroshi
CS Fac. Agric., Kyoto Univ., Kyoto, 606, Japan
SO Stud. Nat. Prod. Chem. (1991), 9(Struct. Chem., Pt. B), 219-48
CODEN: SNPCE2
DT Journal
LA English
AB The regulation of germination of spores of Colletotrichum and Puccinia by compds. contained within the spores themselves was studied. An active self inhibitor from Puccinia was identified as Me cis-3,4-dimethoxycinnamate. Analogs of these inhibitors were synthesized and tested for spore germination inhibitory activity. Structures are proposed for self-inhibitors from C. gloeosporioides.

L8 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1986:562261 CAPLUS
DN 105:162261
TI Photosensitive polymers
IN Nakamura, Chiaki; Koe, Koji; Sasaki, Toshiki
PA Dainippon Ink and Chemicals, Inc., Japan
SO Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 60221748	A2	19851106	JP 1984-77557	19840419

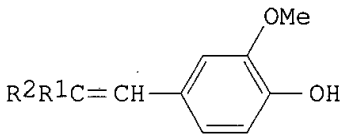
AB Photosensitive polymers are prepd. by reaction of an arom. dicarboxylic acid having a photosensitive unsatd. double bond adjacent to the arom. ring with a polyester precursor having alc. OH groups comprising polyhydric alc. units and polybasic carboxylic acid units contg. units derived from dicarboxylic acids having phenolic OH groups with chain elongating agents having .gtoreq.2 functional groups which show higher reactivity to the alc. OH groups than to the phenolic OH groups. The polymers show good sensitivity and developability in aq. alk. solns. and are used for photoimaging compns. Thus, di-Et p-phenylenediacrylate 27.4, di-Et 4-hydroxybenzylidenemalonate 26.4, a bisphenol A-ethylene oxide (1:6.2 mol) adduct 100.2, ethylene glycol 12.4, dibutyltin oxide 0.6, and phenothiazine 0.6 g were mixed and stirred at 180.degree. under N for 3 h and at 1 mm Hg for 2 h to obtain a polyester precursor, 20 g of which was mixed with 1.06 g di-Ph terephthalate and stirred at 100.degree. and 1 mm Hg for 0.5 h to obtain a photosensitive polymer. This polymer was dissolved in cyclohexanone to obtain a 4% soln., mixed with 5% (based on the polymer) 2-benzoylmethylene-1-methyl-.beta.-naphthothiazoline and 10% (based on the polymer) phthalocyanine, coated on an Al sheet, dried to obtain a 1-.mu. photosensitive layer, imagewise exposed, and developed, showing good photosensitivity and developability.

L8 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1984:485528 CAPLUS
DN 101:85528

09643355

TI Evaluation of ferulic acid derivatives as antifungal agents
AU Manrao, M. R.; Dhir, B. S.
CS Dep. Chem., PAU, Ludhiana, India
SO Pesticides (1984), 18(2), 30, 36
CODEN: PSTDAN; ISSN: 0031-6148
DT Journal
LA English
GI

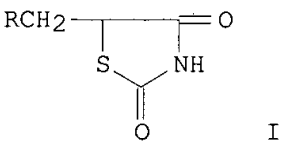
6)



I

AB The fungicidal activity of 7 ferulic acid derivs. I (R1 = CN, Ac, CO2Et, or CONH2; R2 = CO2H, CO2Et, CN, CONH2, or Ac) against Alternaria solani, A. triticina, A. tenuis, Puccinia striiformis, and P. recondita depended on their structure. I (R1 = R2 = CO2Et) [**24331-83-7**] (500-1000 ppm) showed the highest antifungal activity and caused 100% inhibition of spore germination. I (R1 = R2 = CONH2) [91418-46-1] showed poor antifungal activity.

L8 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1983:594854 CAPLUS
DN 99:194854
TI Antiulcer activity of 5-benzylthiazolidine-2,4-dione derivatives
AU Sohda, Takashi; Mizuno, Katsutoshi; Hirata, Takeo; Maki, Yoshitaka; Kawamatsu, Yutaka
CS Cent. Res. Div., Takeda Chem. Ind. Ltd., Osaka, 532, Japan
SO Chem. Pharm. Bull. (1983), 31(2), 560-9
CODEN: CPBTAL; ISSN: 0009-2363
DT Journal
LA English
OS CASREACT 99:194854
GI



I

AB 5-Benzylthiazolidine-2,4-diones I (R = substituted Ph) (35 compds.) were prepd. and examd. for antisecretory and antiulcer activities using pylorus-ligated rats and water-immersion stress rats. Some of these compds., in particular, I [R = 2,4,5-(PrO)3C6H2, 2,4-(MeO)2C6H3] exhibited pronounced activities. Structure-activity relationships are discussed.

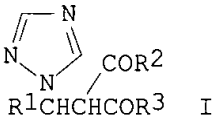
L8 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1980:471786 CAPLUS

09643355

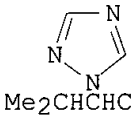
DN 93:71786
TI 1,2,4-Triazole derivatives
IN Mildenberger, Hilmar; Maier, Thomas; Sachse, Burkhard
PA Hoechst A.-G., Fed. Rep. Ger.
SO Ger. Offen., 26 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2836945	A1	19800313	DE 1978-2836945	19780824
	ES 483466	A1	19800416	ES 1979-483466	19790817
	EP 8458	A1	19800305	EP 1979-103077	19790822
	R: AT, BE, CH, DE, FR, GB, IT, NL, SE				
	DD 145990	C	19810121	DD 1979-215125	19790822
	AU 7950215	A1	19800228	AU 1979-50215	19790823
	JP 55031093	A2	19800305	JP 1979-106720	19790823
	BR 7905429	A	19800520	BR 1979-5429	19790823
	ZA 7904445	A	19800827	ZA 1979-4445	19790823
PRAI	DE 1978-2836945		19780824		

GI



I



II

AB Triazoles I [R1 = C1-12 alkyl, C5-9 cycloalkyl, cycloalkenyl, Ph [optionally substituted with 1-3 alkyl, halo, C1-5 alkoxy, OH, NO2, di(C1-6 alkyl) amino, methylenedioxy], furanyl, thienyl, pyridyl; R2, R3 = C1-12 alkyl, C5-9 cycloalkyl, Ph (optionally substituted with 1-3 C1-12 alkyl, halo, C1-5 alkoxy, OH), C1-12 alkoxy, C5-6 cycloalkoxy, PhCH2O], useful as agricultural fungicides (extensive data tabulated), were prepd. by addn. reaction of 1,2,4-triazole to R1CH:C(COR2)COR3 in the presence of a basic catalyst. Thus, a mixt. of Me2CHCH:C(CO2Me)2, 1,2,4-triazole, and NEt3 reacted exothermally (70.degree.) and after 30 min was stirred 7 h at 90.degree. to give 96.65% malonate II.

L8 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1980:116437 CAPLUS
DN 92:116437
TI Light-protective composition containing 4-methoxybenzylidenecyanoacetic acid esters
IN Preuss, Reinhard; Charlet, Egbert; Finkel, Peter; Rosenkranz, Hans Juergen
PA Bayer A.-G., Fed. Rep. Ger.
SO Ger. Offen., 23 pp.
CODEN: GWXXBX
DT Patent
LA German

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FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2816819	A1	19791031	DE 1978-2816819	19780418
	US 4284621	A	19810818	US 1979-24742	19790328
	EP 5182	A1	19791114	EP 1979-101050	19790406
	EP 5182	B1	19810729		
	R: BE, CH, DE, FR, GB, IT, NL, SE				
	DK 7901563	A	19791019	DK 1979-1563	19790417
	AT 7902844	A	19810115	AT 1979-2844	19790417
	AT 363603	B	19810825		
PRAI	DE 1978-2816819		19780418		

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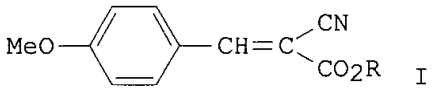

I

AB Light-protective agents against UV of 320-400 nm contained the title compds. I (R = hexyl) [33892-41-0], I (R = octyl) [72955-52-3], I (R = decyl) [41607-83-4], I (R = isononyl) [38722-93-9], or I (R = isodecyl) [72892-43-4]. These compns. may also contain 5-methyl-2-phenylbenzoxazole, 2-phenyl-5-benzimidazolesulfonic acid, or isoamyl 4-methoxycinnamate [71617-10-2], which protect against UV of 285-320 nm. Thus, a sun-protective oil contained I (R = octyl) 2, isoamyl 4-methoxycinnamate 2, peanut oil 46, paraffin oil 50%, and perfume oil.

L8 ANSWER 11 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1978:50643 CAPLUS
DN 88:50643
TI 4-(Polyalkoxyphenyl)-2-pyrrolidinones
PA Schering A.-G., Fed. Rep. Ger.
SO Fr. Demande, 28 pp. Addn. to Fr. 2,264,531.
CODEN: FRXXBL
DT Patent
LA French

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2324299	A2	19770415	FR 1976-27961	19760917
	FR 2324299	B2	19800201		
	DE 2541855	A1	19770331	DE 1975-2541855	19750918
PRAI	DE 1975-2541855		19750918		

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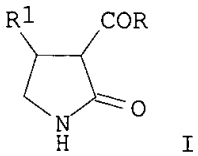

I

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AB Pyrrolidones I [R = OEt, OCH2Ph, NH2, NHMe, NHCHMe2, NHPh, NMeCH2Ph, R1 = 3,4-(MeO)2C6H3] were prepd. by substitution in 4-(3,4-dimethoxyphenyl)-2-pyrrolidinone. I [R = OEt, R1 = 3,4-HO(MeO)C6H3, 3,4-MeO(AcO)C6H3, 2,3,4-(MeO)3C6H2, 3,4,6-(MeO)3C6H2] were prepd. by treating R1CHO with CH2(CO2Et)2, treating R1CH:C(CO2Et)2 with MeNO2, and reducing all R1CH(CH2NO2)CH(CO2Et)2. R1CH(CH2NH2)CH2COR (R = OEt, OH) were obtained by
treating R1CH:C(CO2Et)2 with HCN and reducing R1CH(CN)CH2COR.

L8 ANSWER 12 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1977:534644 CAPLUS
DN 87:134644
TI 3-Methoxy-4-(.beta.-hydroxyethoxy)cinnamic acid
IN Thuillier, Germaine
PA Centre Europeen de Recherche Pharmacologiques (CERPHA), Fr.
SO Fr. Demande, 5 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2306968	A1	19761105	FR 1975-11028	19750409
	JP 52031042	A2	19770309	JP 1976-6336	19760121
PRAI	FR 1975-11028		19750409		

AB Vanillin was condensed with CH2(CO2Et)2, and the product was sapond., O-alkylated by ClCH2CH2OH, and decarboxylated to yield cinametic acid [3,4-MeO(HOCH2CH2O)C6H3CH:CHCO2H], which is useful in bile regulation (no data).

L8 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1977:439271 CAPLUS
DN 87:39271
TI 4-(Polyalkoxyphenyl)-2-pyrrolidinones
IN Huth, Andreas; Schmiechen, Ralph; Kehr, Wolfgang; Palenschat, Dieter; Paschelke, Gert; Wachtel, Helmut
PA Schering A.-G., Ger.
SO Ger. Offen., 41 pp. Addn. to Ger. Offen. 2,413,935.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2541855	A1	19770331	DE 1975-2541855	19750918
	CH 623571	A	19810615	CH 1976-8576	19760705
	SU 795465	D	19810107	SU 1976-2385904	19760728
	DK 7604086	A	19770319	DK 1976-4086	19760910
	DK 157919	B	19900305		
	DK 157919	C	19900806		
	IL 50451	A1	19811130	IL 1976-50451	19760910
	ES 451518	A2	19771001	ES 1976-451518	19760914
	SE 7610275	A	19770319	SE 1976-10275	19760916
	SE 407799	C	19790913		
	SE 407799	B	19790423		
	NL 7610300	A	19770322	NL 1976-10300	19760916
	DD 126894	W	19770817	DD 1976-194827	19760916

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	BE 846335	A4	19770317	BE 1976-170731	19760917
	JP 52036659	A2	19770322	JP 1976-111693	19760917
	JP 61002660	B4	19860127		
	FR 2324299	A2	19770415	FR 1976-27961	19760917
	FR 2324299	B2	19800201		
	AT 7606907	A	19780915	AT 1976-6907	19760917
	AT 349459	B	19790410		
	HU 173117	P	19790228	HU 1976-SC578	19760917
	US 4153713	A	19790508	US 1976-724213	19760917
	CA 1077496	A1	19800513	CA 1976-261454	19760917
	AU 514234	B2	19810129	AU 1976-17892	19760917
	CS 225802	P	19840213	CS 1976-6054	19760917
	GB 1563398	A	19800326	GB 1976-38887	19760920
	CS 225847	P	19840213	CS 1982-4554	19820618
PRAI	IL 1975-46883		19750320		
	DE 1975-2541855		19750918		
	CS 1976-6054		19760917		

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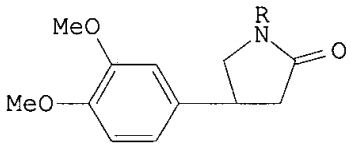

I

AB I (R = EtO2C, PhCH2O2C, H2NCO, MeNHCO, PhNHCO, Me2CHNHCO, PhCH2NMeCO), useful as tranquilizers (no data), are prepd. by std. procedures. Thus, reaction of 2.21 g 4-(3,4-dimethoxyphenyl)-2-pyrrolidinone with 30 mL ClCO3Et in presence of Na2CO3 16 h at 100.degree. gives 1.09 g I (R = EtO2C).

L8 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1976:446109 CAPLUS
DN 85:46109
Correction of: earlier abstract
TI Preparation, properties, and reactions of some conjugated heteroenoid compounds and related compounds
AU Holmes, H. L.
CS Def. Res. Establ. Suffield, Ralston, Alberta, Can.
SO Struct.-Act. Relat. Some Conjugated Heteroenoid Compd., Catechol Monoethers Morphine Alkaloids (1975), Volume 2, 625-725. Editor(s): Holmes, H. L. Publisher: Def. Res. Establ. Suffield, Ralston, Alberta. CODEN: 31PDAW
DT Conference
LA English
AB More than 1000 compds., of which >450 are new, were prepd., mostly by std. reactions, and are tabulated with their m.ps., b.ps., and/or refractive indexes and solvents used in their crystn. The prepd. compds. include the title compds. (styrenes, p-benzoquinones, 1,4-naphthoquinones, chromones, morphine alkaloids, etc.) and related compds. (guaiacols, alkyl hydrocinnamates, Bu .alpha.-methylbenzyl sulfides and sulfones, etc.).

L8 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2002 ACS

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AN 1976:30878 CAPLUS
DN 84:30878
TI 4-(Polyalkoxyphenyl)-2-pyrrolidones
IN Schmiechen, Ralph; Horowski, Reinhard; Palenschat, Dieter; Paschelke, Gert; Wachtel, Helmut; Kehr, Wolfgang
PA Schering A.-G., Ger.
SO Ger. Offen., 48 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2413935	A1	19751016	DE 1974-2413935	19740320
	DE 2413935	C2	19880526		
	SU 649312	D	19790225	SU 1975-2111302	19750310
	DK 7501106	A	19750921	DK 1975-1106	19750318
	DK 139965	C	19791029		
	DK 139965	B	19790528		
	DD 119229	C	19760412	DD 1975-184858	19750318
	ES 435750	A1	19761216	ES 1975-435750	19750318
	CH 621338	A	19810130	CH 1975-3457	19750318
	SE 7503157	A	19751128	SE 1975-3157	19750319
	SE 402010	C	19780921		
	AT 347931	B	19790125	AT 1975-2109	19750319
	CS 214738	P	19820528	CS 1975-1860	19750319
	BE 826923	A1	19750922	BE 1975-154536	19750320
	NL 7503367	A	19750923	NL 1975-3367	19750320
	FR 2264531	A1	19751017	FR 1975-8701	19750320
	JP 50157360	A2	19751219	JP 1975-34220	19750320
	JP 60011028	B4	19850322		
	AU 7579310	A1	19760923	AU 1975-79310	19750320
	US 4012495	A	19770315	US 1975-560193	19750320
	GB 1498705	A	19780125	GB 1975-11686	19750320
	IL 46883	A1	19790930	IL 1975-46883	19750320
	CA 1069517	A1	19800108	CA 1975-222720	19750320
	US 4193926	A	19800318	US 1976-659082	19760218
	AT 347932	B	19790125	AT 1977-3670	19770523
	CS 214739	P	19820528	CS 1980-2586	19800414

PRAI DE 1974-2413935 19740320
CS 1975-1860 19750319
US 1975-560193 19750320
AT 1975-2109 19770523

GI For diagram(s), see printed CA Issue.

AB Central depressant (no data) pyrrolidones I (R = R1 = Me, R2 = H, 2-OMe, 5-OMe, 6-OMe; RR1 = CH2, CH2CH2, R2 = H; R = H, CH2CHMe2, R2 = H, R1 = Me;
R = Me R1 = R2 = H) were prepd. by treating R3CHO (R3 = RO(R1O)R2C6H2) with CH2(CO2Et)2, treating R3CH:C(CO2Et)2 with MeNO2, cyclizing O2NCH2CHR3CH(CO2Et)2 and decarboxylating. Alternatively R3CH:C(CO2Et)2 were treated with KCN, R3CH(CN)CH2CO2Et reduced, and H2NCH2CHR3CH2CO2Et cyclized with base. I (R = Me, R1 = R2 = H; R = R2 = H, R1 = Me) were alkylated.

L8 ANSWER 16 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1974:464641 CAPLUS
DN 81:64641
TI Polymeric uv-absorber and their use for stabilizing plastics

09643355

IN Margotte, Dieter; Lachmann, Burkhardt; Vernaleken, Hugo; Rudolph, Hans; Cohnen, Wolfgang
PA Farbenfabriken Bayer A.-G.
SO Ger. Offen., 19 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2231531	A1	19740110	DE 1972-2231531	19720628
	US 3875123	A	19750401	US 1973-372724	19730622
	NL 7308878	A	19740102	NL 1973-8878	19730626
	NL 7308877	A	19740102	NL 1973-8877	19730626
	JP 49052841	A2	19740522	JP 1973-71338	19730626
	IT 985789	A	19741220	IT 1973-51044	19730626
	BE 801513	A1	19731227	BE 1973-132776	19730627
	AU 7357442	A1	19750109	AU 1973-57442	19730627
	ES 416353	A1	19760501	ES 1973-416353	19730627
	CA 1012680	A1	19770621	CA 1973-175401	19730627
	FR 2190864	A1	19740201	FR 1973-23779	19730628
	GB 1392166	A	19750430	GB 1973-30819	19730628
	AT 7305703	A	19751015	AT 1973-5703	19730628
	AT 331033	B	19760726		
	IT 1015410	A	19770510	IT 1974-24439	19740625
	US 3943094	A	19760309	US 1975-540306	19750110
PRAI	DE 1972-2231531		19720628		
	DE 1972-2231532		19720628		
	US 1973-372724		19730622		
	FR 1973-23780		19730628		

AB Polymers and copolymers from di-C1-8-alkyl (meth)acryloyloxybenzylidenemal onate(I, R = H or Me, R1 = H or MeO, R2 = C1-8 alkyl) were useful as uv absorbers for bisphenol A-phosgene copolymer (II) [25971-63-5]. Thus, CH2Cl2 contg. di-Et-hydroxybenzylidenemalonate [51938-27-3] and Et3N was added in 90 min to CH2Cl2 contg. methacryloyl chloride [920-46-7] to give di-Et 4-methacryloyloxybenzylidenemalonate [51886-65-8] which was polymd. to poly(di-Et 4-methacryloylbenzylidenemalonate) (III) [51936-41-5] (wt. av. mol. wt. 30,000) using azobisisobutyronirile as initiator. II contg. TiO2 and III exhibited light reflectances (DIN 5033) 74 and 50% before and after, resp., 500 hr at 8 cm from a 250 W Hg lamp compared with 63 and 31%, resp., for a control.

L8 ANSWER 17 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1969:476035 CAPLUS
DN 71:76035
TI Conformation and configuration of some .alpha.,.beta.-unsaturated carbonyl compounds from their nuclear magnetic resonance spectra
AU Phillips, W. M.; Currie, D. J.
CS Def. Res. Estab., Ralston, Alberta, Can.
SO Can. J. Chem. (1969), 47(17), 3137-46
CODEN: CJCHAG
DT Journal
LA English
AB N.M.R. spectra were recorded for 95 styrenes with 2 functional groups (A and B) on the .beta.-C atom, where A, B are Ac, Ac; Ac, CO2Et; CO2Et, Ac;

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CO2Et, CO2Et; CO2Et, CN; and CO2Et, H. The chem. shifts of the ethylenic H and the H of the functional A and B groups were examd. in detail to det.
the effects of ring substituents. The configuration of the unsym. styrenes and the conformation of the A and B groups as deduced from the spectra are discussed.

L8 ANSWER 18 OF 18 CAPLUS COPYRIGHT 2002 ACS
AN 1968:459442 CAPLUS
DN 69:59442
TI Synthesis of carbon-14 labeled ferulic acid and its triterpene esters
AU Kondo, Hiroyuki; Tachibana, Koichi; Ikeda, Masamichi; Kubodera, Tadayoshi;
Shinozaki, Yoshiharu
CS Nakataki Pharm. Ind. Co., Inc., Tokyo, Japan
SO Radioisotopes (Tokyo) (1968), 17(4), 147-50
CODEN: RAISAB
DT Journal
LA Japanese
AB Malonic acid-2-14C, 2 mCi (4.36 mCi./millimole) with di-Et malonate as carrier, was warmed to 50.degree. with 1.52 g. vanillin and 3 drops piperidine, allowed to stand 3 days, and worked up to give 60.5% di-Et 4-hydroxy-3-methoxybenzalmalonate-2-14C (I), m. 105-6.degree. (3:2 MeOH-H2O). Sapon. of 1.70 g. I in 4.0 ml. 50% KOH in a boiling water bath
2 hrs. gave 86.9% 4-hydroxy-3-methoxybenzalmalonic acid-2-14C (II), m. 168-70.degree.. A mixt. of 1.240 g. II, 2 ml. Ac2O, and 4 ml. anhyd. pyridine was kept 2 days and worked up to give 87% 4-acetylferulic acid-2-14C (III), m. 195-7.degree. (AcOH), sp. radioactivity 0.19 mCi./millimole. (III) (240 mg.) in 3 ml. 10% NaOH was stirred 24 hrs. at room temp. and made acidic to yield 73.4% ferulic acid-2-14C (IV) m. 168.degree. (H2O). Ferulic acid triterpene esters were also prepd. by standard methods. These were found to be applicable in bioassay of, for example, such esters isolated from rice bran oil.

=> s l8 and UV
361429 UV
L9 2 L8 AND UV

=> d l9

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS
AN 1980:116437 CAPLUS
DN 92:116437
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